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Amendment in Response to Office Action of 07/18/2005

REMARKS

The Examiner's Office Action been reviewed.

The Examiner's objection to the Abstract is noted. The abstract has been amended herein to now provide description of the operation.

The typographical errors noted by the Examiner on have been corrected. Specifically, on Page 5, Line 7 and Page 10, line 16 "supporting" has been corrected to "support" and on Page 13, Line 5, "form" has been corrected to "from".

The Examiner has then rejected Claims 1 - 3 under 35 U.S.C. 112 for three separate reasons set forth in Paragraphs 1, 2 and 3. In response thereto, the specification has been amended on Page 5, beginning on Line 13 wherein the paragraph has been amended following "Provided last" by deleting "is a rotatable main shaft. . . actuated through", and inserting therefore "are". Similarly, on Page 11, beginning at line 18 wherein "Provided last is a rotatable main shaft 48 . . . lines" has been deleted and replaced with "Lines function". Page 11, Line 16 has been amended to now read "Movement of the drive rod is adapted to be caused by the driving components and the main shaft of the system." This amendment eliminates the positive recitation of the driving components. Such a revision is deemed to overcome the 112 rejection set forth in paragraph 2, Page 4 of the

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Examiner's Office Action. Claim 1 has been amended beginning at line 16 by deleting "a rotatable main shaft with a cam operable with an air valve with a driver button whereby the cam will periodically contact the button, the button and valve adapted to periodically actuate the air cylinder through". Claim 3 has been similarly amended beginning at line 2 thereof.

It is deemed that the objections and rejections under 35 U.S.C. 112, are deemed overcome through the amendments to the specification and claims as well as drawings herein. In essence, the Examiner finds that the relationship of the main drive shaft with its cam to the operating mechanism for grasping and moving the workpiece are not fully disclosed. In this regard, the specifics of these aspects have been removed from the specification and claims wherein the movements may be carried out by any of a plurality of known techniques. For example, they may be driven in timed sequence with respect to other aspects of the machine such as the main drive shaft as is intended herein. The main drive shaft, however, as well as the operating components in question could readily be driven off of a common clock or other timing mechanism. Further, it is deemed that the detailed descriptions are not necessarily needed since this aspect of the invention is not claimed.

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If the Examiner wishes to persist in his rejection based on indefiniteness based under 35 U.S.C. 112, it is requested that the Examiner telephone applicant's attorney for a telephone interview to discuss these points. In these regards, a compact disc is available for review by the Examiner illustrating the operation of the components as originally disclosed and more completely disclosed in accordance with 35 U.S.C. 112 as suggested by the Examiner.

Lastly, the drawings have been amended herein by the elimination to Figure 8 directed to the drive shaft providing the motion and timing to the air cylinder. The specification has been amended beginning at Page 9, Line 13 by deleting the paragraph relating to Figure 8.

The Examiner's prior art cited has been reviewed. It is deemed that applicant's claims as now amended not only define applicant's invention in terms sufficient to allow one skilled in the art to make and use the invention and overcome the rejections based upon 35 U.S.C. 112, but also that applicant's invention is patentable over the prior art including that cited and applied by the Examiner.

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A review and reconsideration are requested along with a notice of allowance.

Respectfully submitted,



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Figure 7 is the power supply for the system. The system includes lines with an input end and an output end. The input end includes a 5 volt DC power source and a 5 volt regulator. The input end also includes a 12 volt DC power source and a 12 volt regulator. The input end also includes a 24 volt DC power source. A 1N4007 transistor is at a mid-section of the lines parallel with a 24 volt regulator. A plurality of capacitors are in parallel coupled to the lines. A 1N4007 silicon transistor is adjacent to one end of the lines and a 2 amp, 30 volt bridge rectifier is adjacent to the output end. A triode is at the output end with a 2 amp fuse adjacent to the triode and a 120/12 6 volt transformer adjacent to the bridge rectifier.

Figure 8 is a ladder diagram illustrating the forward and reverse winding of the motor with an associated switch.

Figure 9 is a ladder diagram illustrating the reverse relay coil R1 and latching coil R2 with associated switches S1 for the top switch and S2 for the bottom switch.

Annotated Drawing Showing Amendments in Red

FIG 7

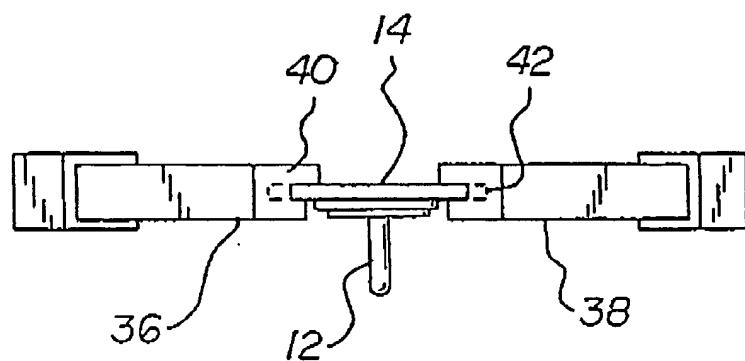


FIG 8

